



results of BLAST

BLASTN 2.2.12 [Aug-07-2005]

Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1126737119-30622-130923036613.BLASTQ1

Database: All GenBank+EMBL+DDBJ+PDB sequences (but no EST, STS, GSS, environmental samples or phase 0, 1 or 2 HTGS sequences)
3,491,285 sequences; 15,298,534,039 total letters

If you have any problems or questions with the results of this search please refer to the [BLAST FAQs](#)

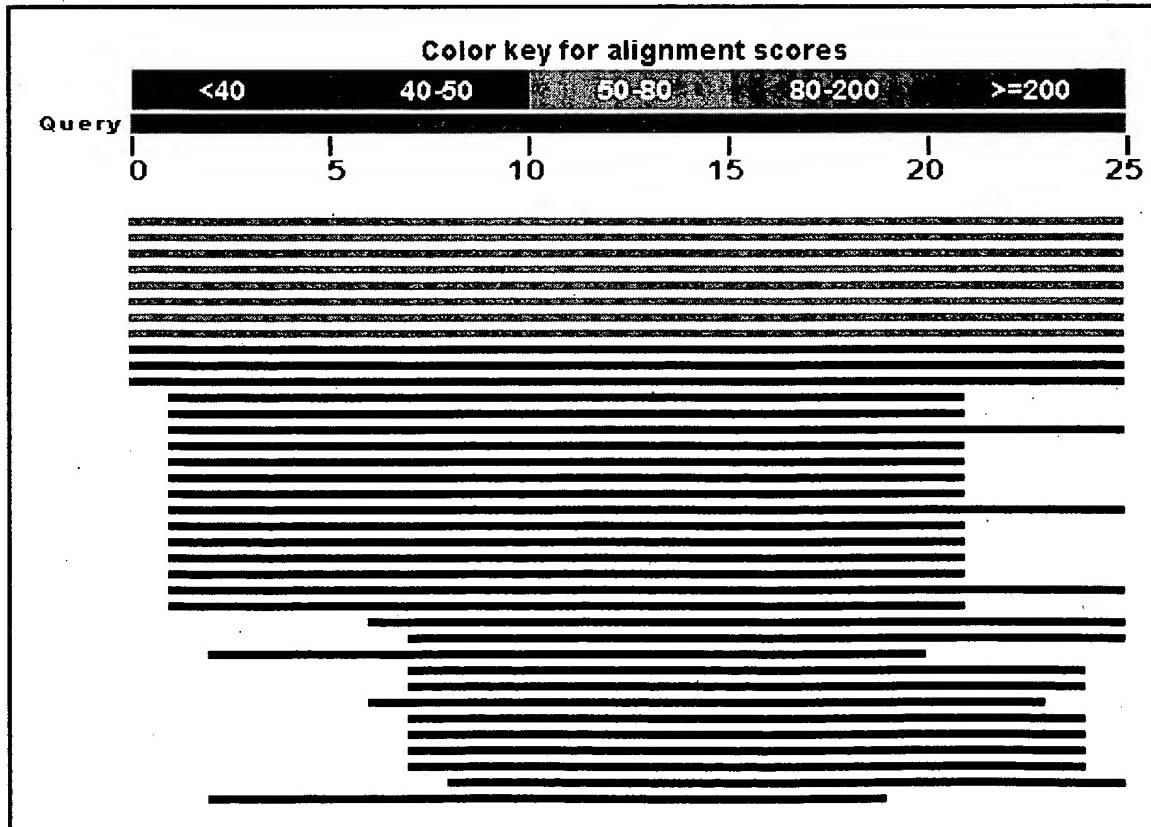
[Taxonomy reports](#)

Query=

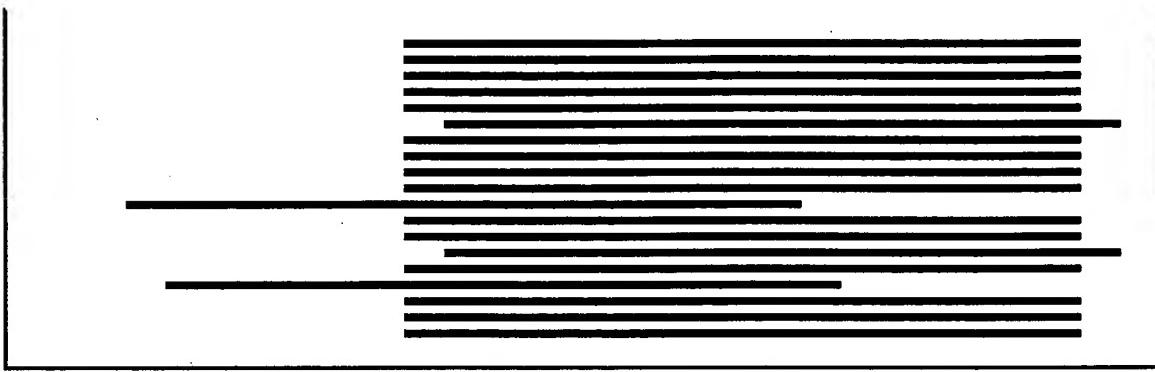
(25 letters)

Distribution of 58 Blast Hits on the Query Sequence

Mouse-over to show defline and scores, click to show alignments



BEST AVAILABLE COPY



Sequences producing significant alignments:

			Score (Bits)	E Value	
gi 19913407 ref NM_001068.2	Homo sapiens topoisomerase (DNA) II	50.1	8e-05	█	
gi 73990501 ref XM_534241.2	PREDICTED: Canis familiaris simi...	50.1	8e-05	G	
gi 55619958 ref XM_516332.1	PREDICTED: Pan troglodytes DNA t...	50.1	8e-05	G	
gi 37230 emb X68060.1 HSTOPIIB	H.sapiens topIIb mRNA for topoiso	50.1	8e-05	█	
gi 62087337 dbj AB208879.1	Homo sapiens mRNA for DNA topoiso...	50.1	8e-05	G	
gi 18958738 gb AC093416.2	Homo sapiens chromosome 3 clone RP11-	50.1	8e-05		
gi 3869369 gb AF087149.1 HSTOP2B07	Homo sapiens DNA topoisome...	50.1	8e-05	G	
gi 339809 gb M27504.1 HUMTOPIIX	Homo sapiens topoisomerase type	50.1	8e-05	█	
gi 56566997 gb AY680449.1	Macaca mulatta clone d12_i20_t7_04...	42.1	0.019		
gi 55725809 emb CR857392.1	Pongo pygmaeus mRNA; cDNA DKFZp46...	42.1	0.019		
gi 61813258 ref XM_588817.1	PREDICTED: Bos taurus similar to...	42.1	0.019	G	
gi 38305349 gb AY309240.1	Homo sapiens antigen MLAA-44 mRNA, co	40.1	0.075	G	
gi 32451609 gb BC054541.1	Mus musculus topoisomerase (DNA) I...	40.1	0.075	█	
gi 45384179 ref NM_205082.1	Gallus gallus topoisomerase (DNA) I	40.1	0.075	█	
gi 790987 emb X86455.1 CLDTI2B	C.longicaudatus mRNA for DNA t...	40.1	0.075		
gi 26104342 dbj AK087535.1	Mus musculus 0 day neonate eyebal...	40.1	0.075	█	
gi 74188145 dbj AK163043.1	Mus musculus 0 day neonate thymus...	40.1	0.075		
gi 26334166 dbj AK041054.1	Mus musculus adult male aorta and...	40.1	0.075	█	
gi 46430223 emb CR391578.1	Gallus gallus finished cDNA, clone C	40.1	0.075	█	
gi 34328147 ref NM_009409.2	Mus musculus topoisomerase (DNA) II	40.1	0.075	█	
gi 58331082 gb AC154452.2	Mus musculus BAC clone RP24-172H10 fr	40.1	0.075		
gi 27371304 gb BC041106.1	Mus musculus topoisomerase (DNA) I...	40.1	0.075	█	
gi 790989 emb X86456.1 CLDTI2BP	C.longicaudatus mRNA for (trunca	40.1	0.075		
gi 2463528 dbj AB007446.1	Gallus gallus mRNA for DNA topoisomer	40.1	0.075	█	
gi 533330 dbj D38046.1 MUSTOP2B	Mouse mRNA for typeII DNA top...	40.1	0.075	█	
gi 21907933 dbj AP004917.1	Lotus corniculatus var. japonicus...	38.2	0.30		
gi 70952928 ref XM_740506.1	ATPase, putative (PC000005.00.0) mR	36.2	1.2		
gi 15869756 emb AJ325362.1 HSA325362	Homo sapiens genomic seq...	36.2	1.2		
gi 54312302 gb AC102195.12	Mus musculus chromosome 18, clone...	34.2	4.7		
gi 51172727 gb AY649446.1	Canine distemper virus isolate 01-268	34.2	4.7		
gi 71480337 gb AC166325.1	Mus musculus BAC clone RP24-421O23...	34.2	4.7		
gi 49182263 gb AY542312.2	Canine distemper virus isolate 98-264	34.2	4.7		
gi 49182261 gb AY466011.2	Canine distemper virus isolate 98-265	34.2	4.7		
gi 49176956 gb AY445077.2	Canine distemper virus isolate 98-264	34.2	4.7		
gi 39938462 gb AY443350.1	Canine distemper virus isolate 00-260	34.2	4.7		
gi 8670908 emb AL136311.7	Human DNA sequence from clone RP3-...	34.2	4.7		

BEST AVAILABLE COPY

gi 45267973 gb AC135396.30	Medicago truncatula clone mth2-33o18	34.2	4.7
gi 58853 emb X65509.1 CDVFP	-Canine distemper virus RNA for fusio	34.2	4.7
gi 4127625 emb AJ007711.1 CDI7711	canine distemper virus F gene	34.2	4.7
gi 37625020 gb AY395984.1	Canine distemper virus 00-2601 fus...	34.2	4.7
gi 37654450 gb AY386316.1	Canine distemper virus strain 5804P,	34.2	4.7
gi 37654441 gb AY386315.1	Canine distemper virus strain 5804, c	34.2	4.7
gi 33438671 gb AC119861.8	Mus musculus chromosome 3, clone RP23	34.2	4.7
gi 62632845 gb AY964114.1	Canine distemper virus isolate 252...	34.2	4.7
gi 62632840 gb AY964112.1	Canine distemper virus isolate 212...	34.2	4.7
gi 62632835 gb AY964110.1	Canine distemper virus isolate 198...	34.2	4.7
gi 62632830 gb AY964108.1	Canine distemper virus isolate 181...	34.2	4.7
gi 13443252 gb AC016706.6	Homo sapiens BAC clone RP11-215D12 fr	34.2	4.7
gi 19070709 gb AF355188.1	Canine distemper virus DOG/DK 91C ...	34.2	4.7
gi 14150871 gb AF378705.1 AF378705	Canine distemper virus strain	34.2	4.7
gi 11890431 gb AF222921.1	Sus scrofa DNA topoisomerase II be...	34.2	4.7
gi 11120547 gb AF305419.1 AF305419	Canine distemper virus, isola	34.2	4.7
gi 28261575 gb AC137723.5	Homo sapiens chromosome 17, clone ...	34.2	4.7
gi 5733642 gb AF164967.1 AF164967	Canine distemper virus strain	34.2	4.7
gi 4336906 gb AF112188.1 AF112188	Canine distemper virus fusion	34.2	4.7
gi 3335048 gb AF014953.1 AF014953	Canine distemper virus, comple	34.2	4.7
gi 323241 gb M21849.1 CADFP	Canine distemper virus fusion protei	34.2	4.7

Alignments Get selected sequences Select all Deselect all

> gi|19913407|ref|NM_001068.2| Homo sapiens topoisomerase (DNA) II beta 180I
Length=5189

Score = 50.1 bits (25), Expect = 8e-05
 Identities = 25/25 (100%), Gaps = 0/25 (0%)
 Strand=Plus/Plus

Query 1 TATTCCCAAACTGGATGATGCTAAT 25
 |||||||
 Sbjct 1359 TATTCCCAAACTGGATGATGCTAAT 1383

> gi|73990501|ref|XM_534241.2| PREDICTED: Canis familiaris similar to DNA topois
beta isozyme (LOC477044), mRNA
Length=6874

Score = 50.1 bits (25), Expect = 8e-05
 Identities = 25/25 (100%), Gaps = 0/25 (0%)
 Strand=Plus/Plus

Query 1 TATTCCCAAACTGGATGATGCTAAT 25
 |||||||
 Sbjct 2628 TATTCCCAAACTGGATGATGCTAAT 2652

> gi|55619958|ref|XM_516332.1| PREDICTED: Pan troglodytes DNA topoisomerase II,
(LOC460232), mRNA
Length=4758

Score = 50.1 bits (25), Expect = 8e-05
 Identities = 25/25 (100%), Gaps = 0/25 (0%)